PCR Product Purification Kit (Catalog: TBS6031-200)

Tribioscience's PCR DNA Product Purification Kit provides a fast and easy method for the reliable purification of DNA from PCR products or other enzymatic reaction mixtures without agarose gel electrophoresis. In this kit, the glass fiber membrane is used to recover DNA from 100 bp to 10 kb. The extracted DNA is free of primer dimers, nucleotides, enzymes, and salts in yields reaching 95%. No organic extraction and alcohol precipitation is required, and multiple samples can be easily processed simultaneously.

Kit Components

Kit components	TBS6031-200
Number of Preparation	200
Concentrated Binding Buffer*	102 mL
Concentrated Wash Buffer*	50 mL
Elution Buffer	30 mL
MiniSpin Columns with Collection Tubes	200
Collection Tubes （1.5 mL）	200

Note: *Required to add indicated absolute ethanol before the first-time use as below.

Preparation

1. All centrifugations should be carried out at 10,000x g above (>12,000 rpm) at room temperature in a microcentrifuge.
2. All solutions should be equilibrated at room temperature before use.
3. For large fragments (>5 kb), pre-warm Elution Buffer to 70˚C.
4. Add 18 mL absolute ethanol into 102 mL **Binding Buffer to make 120 mL** working solution Before the first-time use.
5. Add 200 mL of absolute ethanol into **50 mL concentrated Wash Buffer** to make 250 mL working solution Before the first-time use.
6.

Protocols

1. Add 5 volumes of **Binding Buffer** to 1 volume of the sample and mix. Transfer the mixture to a spin column.
   Notes: For 100 ul reaction, add 500 ul of buffer PB. It is not necessary to remove mineral oil.
2. Centrifuge for 1 min. Discard the pass-through and reinsert the spin column back into the same tube.
3. Apply 650 ul of **Washing Buffer**. Centrifuge for 30 sec. Discard the passthrough and reinsert the column back into the collection tube.
4. Centrifuge for an additional 1 min to remove residual wash buffer. Transfer the column to a new 1.5 ml tube.
5. Apply 50 ul of **Elution Buffer** or ddH2O to the center of the membrane in the column, let stand for 1 min, and centrifuge for 1 min.
   Notes: To obtain more concentrated DNA solution, apply 30 ul of elution buffer, but the volume lower than 30 ul will decrease the yield significantly. Up to 200 ul of elution buffer can be applied to MiniSpin column, and it will reduce the concentration of DNA.